

FIGURE 1

mAb	Mean Fluorescence Intensity		% Gated	
	L1.2-CCR5	PBMC	L1.2-CCR5	PBMC
mouse IgG1	10	4	1	1
2D7	75	29	92	36
PA8	48	9	73	3
PA9	79	5	96	3
PA10	80	8	96	5
PA11	107	8	96	10
PA12	115	8	96	8
PA14	81	14	96	22

FIGURE 2

INHIBITOR COMBINATION	CONCENTRATION RATIO	ASSAY	COMBINATION INDEX	
			90% Inhibition	50% Inhibition
PA12:2D7	10:1	Entry	0.043	0.291
	2:1	Fusion	0.017	0.019
	10:1	Fusion	0.087	0.067
	50:1	Fusion	0.158	0.046
PA12:PA14	10:1	Entry	0.437	0.535
	10:1	Fusion	0.22	0.263
PA14:2D7	1:1	Entry	2.85	1.85
	1:1	Fusion	1.34	1.74
PA12:PA11	1:1	Entry	0.707	0.641
PA12:RANTES	1000:1	Fusion	0.331	0.156
PA14:RANTES	100:1	Fusion	1.6	1.37
2D7:RANTES	100:1	Fusion	0.972	0.962
PA12:CD4-IgG2	10:1	Fusion	0.3	0.31
PA14:CD4-IgG2	1:1	Fusion	0.957	0.566
2D7:CD4-IgG2	1:1	Fusion	1.127	0.302

FIGURE 3

	Epitopes	IC ₅₀ values (μg/ml)			
		cell-cell fusion inhibition	viral entry inhibition	gp120-binding inhibition	calcium flux inhibition
PA8	Nt	-	-	-	-
PA9	Nt/ECL2	-	-	0.24	-
PA10	Nt/ECL2	-	-	0.13	-
PA11	Nt	25.5	-	0.33	-
PA12	Nt	10.0	-	0.24	-
PA14	Nt/ECL2	1.7	.024	1.58	6.4
2D7	ECL2	1.6	.026	1.38	45

FIGURE 4

	1	5	10	15	20	25	30																							
	M	D	Y	Q	V	S	S	P	I	Y	D	I	N	Y	T	S	E	P	C	Q	K	I	N	K	Q	I	A	A	R	
2D7		92		80	nd	83		82	nd				80	90	86	111									92					
PA8		118		78	nd	82		80	nd	4	2		0	2	95	100								24	134					
PA9		16	13	0	nd	213	19	13	nd	10	10	19	19	19										18	145					
PA10		21	14	0	nd	175	58	22	nd	14	8	15	101	94										13	133					
PA11		76		0	nd	112	80	81	nd	22					85	85								22	148					
PA12		88		0	nd	76	81	81	nd	12			76	76	86	86								12	83					
PA14		9	86		nd	85	88	89	nd					78	84	76	80		88				78	99						

	90					95					100				
	H	Y	A	A	A	Q	W	D	F	G	N	T	M	C	Q
2D7		88					130	46	35			82	82	0	72
PA8		92					118	32	115		86	86	86	10	25
PA9							81	16	158		138	88	87	0	33
PA10		83					139	18	133		112	97	85	0	50
PA11		81					91	25	78		70	94	85	10	16
PA12							91	48	77		76	79	102	25	15
PA14		79					83	23	86			88	80	8	77

	170			175			180			185			190														
	R	S	Q	K	E	G	L	H	Y	T	C	S	S	H	F	P	Y	S	Q	Y	Q	F	W	K	N	F	Q
2D7			17	0							0	83	95				80	92									102
PA8													90	100			90										
PA9				15													78					95			12		
PA10				19							21	0	84	98			77	82				13			10		
PA11											138	130	78	95			91	99				16					
PA12											102	138	73	85			101	90				24			23		92
PA14	11	85	88						80	24	9	100	83				88	93									

	265					270					275						
	Q	E	F	F	G	L	N	N	C	S	S	S	N	R	L	D	Q
2D7		85	35	23			77	30	32	32	27	78	85	77			158
PA8		78	25	9			45	30	30	85	34	86	86	89			98
PA9		22	1				32	31	26	79	81	77	90	93			112
PA10		25	4				30	35	33	93	103	46	54	72			128
PA11		10		10			42	39	45	78	79	72	72				168
PA12		11					35	35	45	83	75	99	82	78			131
PA14		82	82	82			80	51	92	108	90	88	78	78			112

76%-100+%

51%-75%

26%-50%

0%-25%

nd

Nt

ECL 1

ECL 2

ECL 3

FIGURE 5A

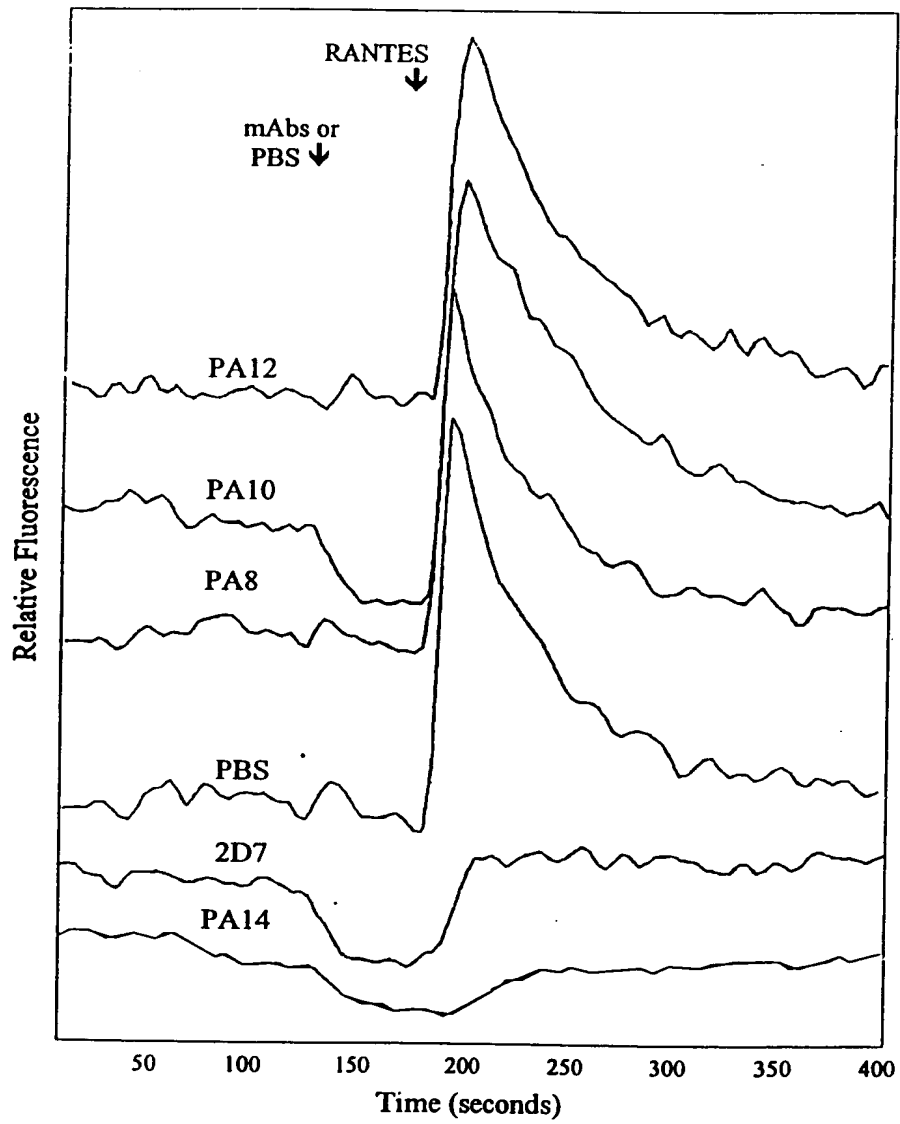
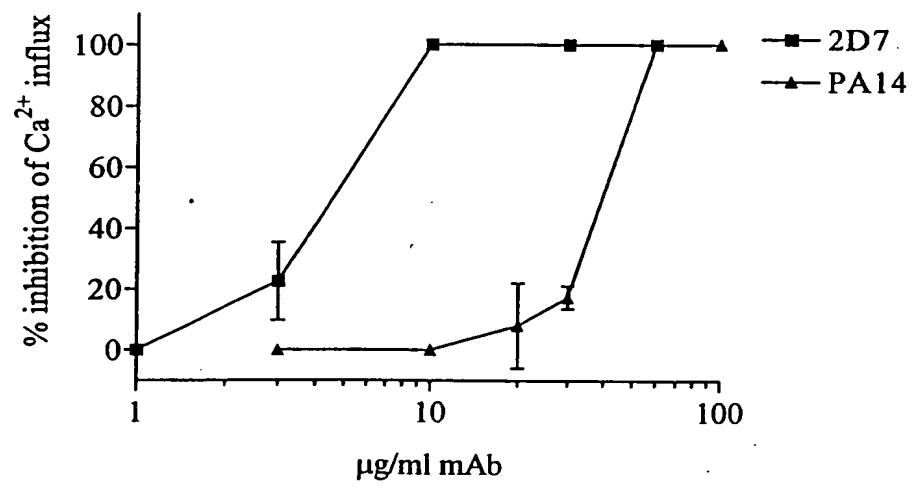
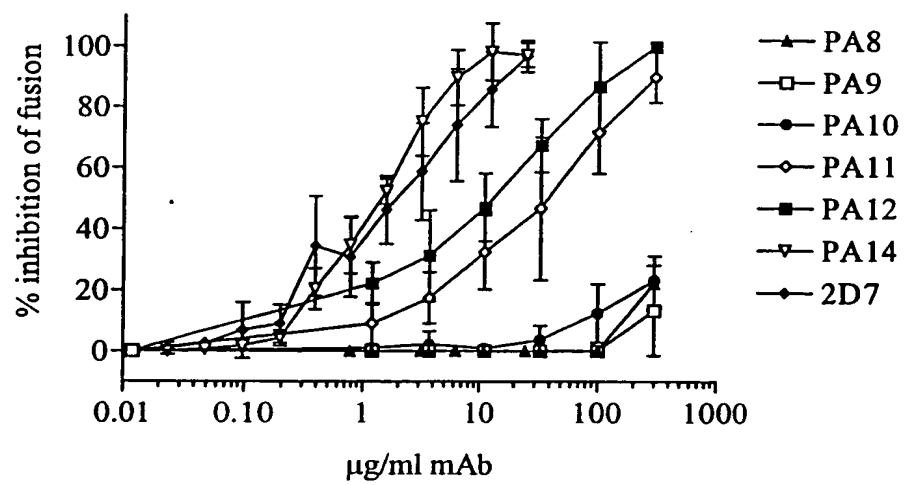


FIGURE 5B



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FIGURE 6A



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FIGURE 6B

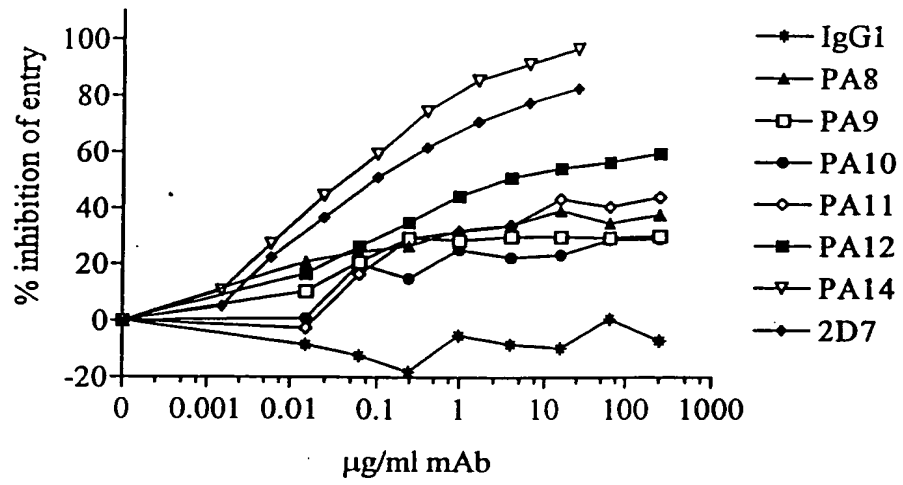


FIGURE 6C

